

# MPG-60 series

## DIGITAL PRESSURE GAUGE



### Features

- 6 user programmable pressure units (kPa, MPa, kgf/cm<sup>2</sup>, psi, bar, mmHg) available.
- Battery powered.
- Easy / fast read out with digital display.
- Power saving mode.
- Back light option.
- IP65 enclosure, dust and splash-proof.

### Specification

| Model                         |                           | Vacuum                                                                                                 |                       | Positive                                            |                      |
|-------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------|----------------------|
|                               |                           | MPG-60V                                                                                                | MPG-60V-L             | MPG-60P                                             | MPG-60P-L            |
| Rate / display pressure range |                           | 0 ~ -101 kPa / 10 ~ -101 kPa                                                                           |                       | 0 ~ 1 MPa / -0.1 ~ 1 MPa                            |                      |
| Proof pressure                |                           | 300 kPa                                                                                                |                       | 1.5 MPa                                             |                      |
| Fluid                         |                           | Filtered air, Non-corrosive gases ,incombustible gases                                                 |                       |                                                     |                      |
| Set pressure resolution       | kPa / MPa                 | 1 / —                                                                                                  |                       | — / 0.001                                           |                      |
|                               | kgf/cm <sup>2</sup> / bar | — / 0.01                                                                                               |                       | 0.01                                                |                      |
|                               | psi                       | 0.1                                                                                                    |                       | 0.1                                                 |                      |
|                               | mmHg                      | 1                                                                                                      |                       | —                                                   |                      |
| Battery / Battery replaceable |                           | CR 2032 lithium / Yes                                                                                  |                       |                                                     |                      |
| Battery life                  |                           | 3 years (5 times/day)                                                                                  | 1 years (5 times/day) | 3 years (5 times/day)                               | 1 year (5 times/day) |
| Low-power indicator           |                           | Yes                                                                                                    |                       |                                                     |                      |
| Back light                    |                           | No                                                                                                     | Yes                   | No                                                  | Yes                  |
| Turn-on interval              |                           | Display turn off after 60 sec.                                                                         |                       |                                                     |                      |
| Sampling rate                 |                           | 2 Hz (2 times/sec.)                                                                                    |                       |                                                     |                      |
| Programmable pressure unit    |                           | psi, bar mmHg, kPa user selectable                                                                     |                       | psi, bar, kgf/cm <sup>2</sup> , MPa user selectable |                      |
| Repeatability                 |                           | ≤ ±1% F.S. ±1digit                                                                                     |                       | ≤ ±0.2% F.S. ±1digit                                |                      |
| LCD display                   |                           | 7 segment, 3 1/2 digit                                                                                 |                       |                                                     |                      |
| Indicator accuracy            |                           | ≤ ±2% F.S. ±1 digit (Ambient temperature: 25 ±3 °C)                                                    |                       |                                                     |                      |
| Environment                   | Enclosure                 | IP65 (Air tube must be installed to maintain IP65)                                                     |                       |                                                     |                      |
|                               | Ambient temp. range       | Operation: 0 ~ 50°C, storage : —10 ~ 60°C ( No condensation or freezing)                               |                       |                                                     |                      |
|                               | Ambient humidity range    | Operation/Storage: 35 ~ 85% RH (No condensation)                                                       |                       |                                                     |                      |
|                               | Vibration                 | Total amplitude 1.5mm or 10G, 10Hz-55Hz-10Hz scan for 1 minute, two hours each direction of X, Y and Z |                       |                                                     |                      |
|                               | Shock                     | 100m/s <sup>2</sup> (10G), 3 times each in direction of X, Y and Z                                     |                       |                                                     |                      |
| Temperature characteristic    |                           | ≤±2% F.S. of detected pressure (25°C) at temp. Range of 0~50°C                                         |                       |                                                     |                      |
| Weight                        |                           | Approx. 40 g                                                                                           |                       |                                                     |                      |

### Order example

**MPG — 60 P — L — F1**

MODEL

PRESSURE RANGE  
V: Vacuum  
P: Positive

PRESSURE PORT

F1: R1/8", M5  
F2: NPT1/8", #10-32 UNF  
F3: G1/8", M5  
F4: R1/4", M5  
F5: NPT1/4", #10-32 UNF  
F6: G1/4", M5

BACK LIGHT

Blank: Back light unavailable  
L: Back light available

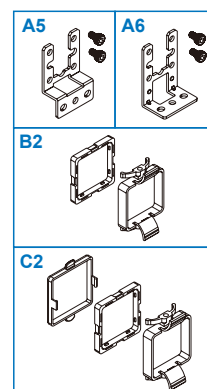
### Mounting accessories (Option)

**MP — A5**

MODEL

OPTION PARTS

A5: Mounting bracket  
A6: Mounting bracket  
B2: Panel adapter  
C2: Panel adapter + Front protective lid

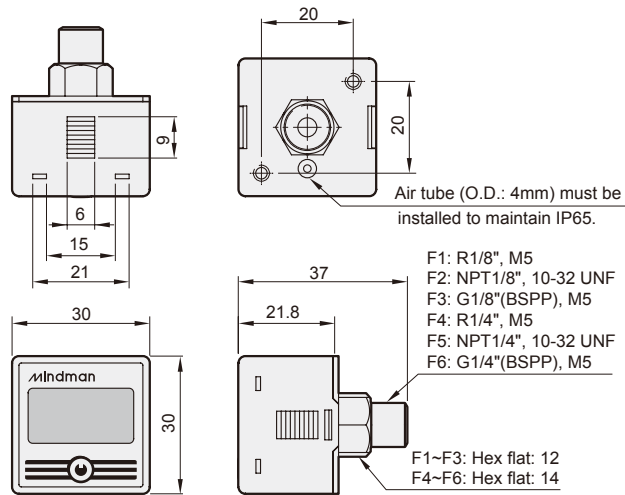


# MPG-60 Dimensions

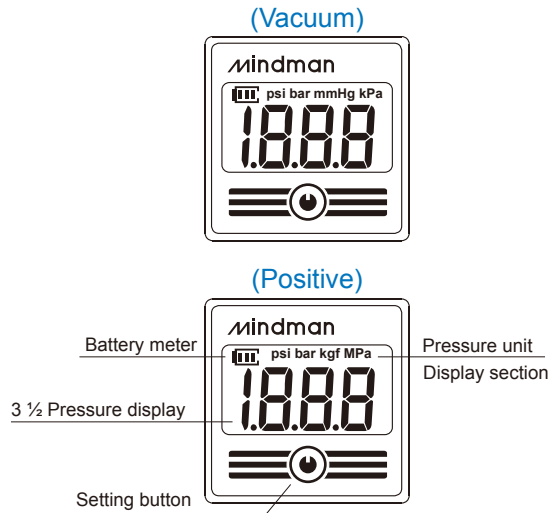
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### Dimensions



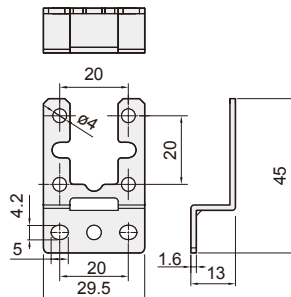
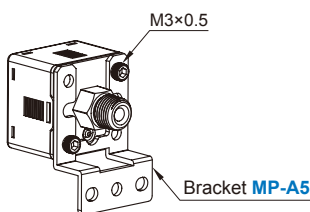
### Panel instructions



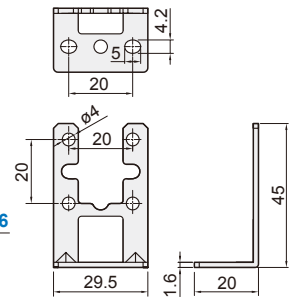
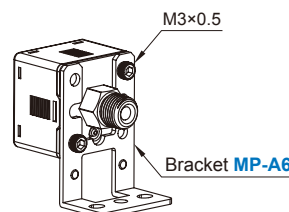
### Mounting accessories

#### Mounting bracket

##### MP-A5



##### MP-A6



### Panel type

